

IN THE CLAIMS:

1. (Amended) A fruit juice extraction apparatus for extracting juice from articles of fruit by pressing the fruit through a filter to pass the liquid juice to a reservoir having outlet ports therein and depositing the solid residue in a receptacle therefor, said apparatus comprising:

a chassis having mounted thereon juice extraction means;

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said juice extraction means having means for storing said fruit, said storing means having an aperture therein for allowing articles of said fruit to be deposited between two concave hemispheres;

drive means for actuating means for forcing the first of said concave hemispheres against the second of said concave hemispheres, thereby pressing an article of said fruit deposited between said hemispheres;

said first concave hemisphere having a central pin and said second concave hemisphere a perforating tube for the extraction of juice from said article of fruit, whereby said [the] solid residue is deposited in said [a] receptacle and said [the] liquid juice is passed through said [a] filter and then falls into said [a] reservoir which has said outlet ports therein; said perforating tube having multiple transverse slits of increasing diameter from inside to outside.

2. (Amended) A fruit juice extraction apparatus for extracting juice from articles of fruit by pressing the fruit through a filter to pass the liquid juice to a reservoir having outlet ports therein and depositing the solid residue in a receptacle therefor, said apparatus comprising:

a chassis having mounted thereon juice extraction means;  
said juice extraction means having a container for storing said fruit, said container having an aperture therein for allowing articles of said fruit to be deposited between two concave hemispheres;

a motor for actuating means for forcing the first of said concave hemispheres against the second of said concave hemispheres, thereby pressing an article of said fruit deposited between said hemispheres;

said first concave hemisphere having a central pin and said second concave hemisphere a perforating tube for the extraction of juice from said article of fruit, whereby said [the] solid residue is deposited in said [a] receptacle and said [the] liquid juice is passed through said [a] filter and then falls into said [a] reservoir which has said outlet ports therein; said perforating tube having multiple transverse slits of increasing diameter from inside to outside.

3. (Amended) A fruit juice extraction apparatus for extracting juice from articles of fruit by pressing the fruit through a filter to pass the liquid juice to a reservoir having outlet ports therein and depositing the solid residue in a receptacle therefor, said apparatus comprising:

a chassis having mounted thereon juice extraction means;  
said juice extraction means having a container for storing said fruit, said container having an aperture therein and means for releasing an article of said fruit for allowing said article of said fruit to be deposited between two concave hemispheres;

a motor for actuating means for forcing the first of said concave hemispheres against the second of said concave hemispheres, thereby pressing an article of said fruit deposited between said hemispheres;

said first concave hemisphere having a central pin and said second concave hemisphere a perforating tube for the extraction of juice from said article of fruit, whereby said [the] solid residue is deposited in said [a] receptacle and said [the] liquid juice is passed through said [a] filter and then falls into said [a] reservoir which has said outlet ports therein; said perforating tube having multiple transverse slits of increasing diameter from inside to outside, and, said filter having a curved body portion with a passageway of increasing width and terminating in a convergent liquid exit port; and,

means for signaling the level of said solid residue accumulated in said receptacle.

4. (Amended) A fruit juice extraction apparatus for extracting juice from articles of fruit by pressing the fruit through a filter to pass the liquid juice to a reservoir having outlet ports therein and depositing the solid residue in a receptacle therefor, said apparatus comprising:

a chassis having mounted thereon juice extraction means;

said juice extraction means having means for storing said fruit, said storing means having an aperture therein for allowing articles of said fruit to be deposited between two concave hemispheres;

drive means for actuating means for forcing the first of said concave hemispheres against the second of said concave hemispheres, thereby pressing an article of said fruit deposited between said hemispheres;

said first concave hemisphere having a central pin and said second concave hemisphere a perforating tube for the extraction of juice from said article of fruit, whereby said [the] solid residue is deposited in said [a] receptacle and said [the] liquid juice is passed through said [a] filter and then falls into said [a] reservoir which has said outlet ports therein, each of said concave hemispheres having its concave surface defined by a plurality of spaced-apart radial blades, wherein said radial blades of each of said hemispheres are of at least two different lengths.